

What is claimed is:

1. (Previously Presented) An abutment for a tooth implant with a root section or shaft that can be anchored in a jaw, and onto the coronal area of which the abutment can be fixed, wherein the abutment is part of at least one set of pre-fabricated abutments, which differ in form and each of which is adapted to a natural form of a tooth.
2. (Previously Presented) The abutment as claimed in claim 1, further comprising several sets with differing abutments each adapted to the natural form of a tooth, whereby the abutments (4, 4a, 8, 18) vary in size from set to set.
3. (Previously Presented) The abutment as claimed in claim 1, wherein characterized in that the abutment corresponds to the reduced natural form of a front tooth, a premolar or a molar.
4. (Previously Presented) The abutment as claimed in claim 1, wherein the abutment set has a reduced number of abutments with different forms, only abutments that correspond to the reduced natural form of a front tooth, a premolar or a molar.
5. (Previously Presented) The abutment as claimed the abutments in comparison with the natural tooth form are smaller by a dimension that is less than or equal to the wall thickness of a further structure to be provided on the abutment.
6. (Previously Presented) The abutment as claim 1, wherein an outer contour of the respective abutment as compared with an outer contour of the form a natural tooth is reduced by approximately 0.1 to 2.5 mm.
7. (Currently Amended) The abutment as claimed in claim 1, wherein the abutment is made of aluminum oxide, zircon oxide, metal or a high-strength material.
8. (Currently Amended) The abutment as claimed in claim 7, wherein the abutment made of aluminum oxide has a wall thickness of at least 0.2 to 1.2 mm.

9. (Previously Presented) The abutment as claimed in claim 7, wherein abutment made of zircon oxide has a wall thickness of at least 0.15 to 0.8 mm.

10. (Currently Amended) The abutment as claimed in claim 1, wherein a the coronal area of the implant shaft consists of a bar or a bar-like projection and that the abutment has a recess adapted to the form of the bar.

11. (Previously Presented) The abutment as claimed in claim 1, wherein the abutment is pre-treated on a surface to be connected with an implant shaft for optimization of the adhesive bond, by means of mechanical roughening, etching and/or coating with an active layer reacting with a bonding agent of the adhesive bond.

12. (Previously Presented) The abutment as claimed in claim 11, further comprising a protective layer for covering the surface-treated layer.

13. (Currently Amended) The abutment as claimed in claim 1, wherein the abutment is designed to be able to be etched on it's a surface for an adhesive bond with the implant shaft, the shaft is an etchable surface layer is composed of silicon oxide.

14. (Previously Presented) The abutment as claimed in claim 1, wherein the abutment; is a basis for an additional structure.

15. (Previously Presented) The abutment as claimed in claim 14, wherein the abutment is the basis for a crown with a shell forming an outer surface of the crown burned, cast or sintered onto the abutment.

16. (Previously Presented) The abutment as claimed in claim 14, wherein the abutment is the basis for a separately manufactured structure, the structure is a shell, crown, a bridge element, a telescope or bar.

17. (Currently Amended) The abutment as claimed in claim 1, wherein the abutment is a compensating cap with a truncated cone-shaped coronal area, a shell surface of which is asymmetric

to a longitudinal implant axis such that the shell surface has a different conical shape at two areas opposing the longitudinal implant axis.

18. (Previously Presented) The abutment as claimed in claim 1, wherein the abutment is a cap.

19. (Currently Amended) The abutment as claimed in claim 1, wherein an axis of the abutment forms an angle with the longitudinal axis of the implant or of the root shaft, the angle up to approximately 20°.

20. (Previously Presented) The abutment as claimed in claim 1, wherein a basis or stage of the abutment has a garland-shaped course and that a lowest point of this course is buccal-labial and lingual-palatinal.

21. (Previously Presented) The abutment as claimed in claim 20, wherein the buccal-labial distance between the lowest point of the garland-shaped course to the tip of the abutment is different from the corresponding palatinal-lingual distance.

22. (Previously Presented) The abutment as claimed in claim 1, wherein on an outer surface of a base part of the abutment and/or on the outer surface of the coronal part of the shaft there is a protective layer or protective sleeve covering these surfaces.

23. (Previously Presented) The abutment as claimed in claim 1, wherein the abutment and/or shaft is provided with growth factors and/or substances to accelerate healing, the growth factors are bacteriocidal or bacteriostatic agents, or medications.

24. (Currently Amended) The abutment as claimed in ~~claim~~ claim 1, wherein the individual anatomical structural form corresponds to an even reduction around the natural tooth.

25. (Currently Amended) The abutment as claimed in claim 1, wherein an outer form of the abutment is stylized and has straight surfaces and rounded edges and is schematically equivalent, with a reduction to a greater or lesser extent, to the tooth to be replaced.

26. (Currently Amended) The abutment as claimed in claim 1, wherein there is an absolute or relative height difference between the premolar and molar cusps and a garland-shaped base and stage in an upper jaw/lower jaw.

27. (Previously Presented) The abutment as claimed in claim 1, wherein a form of the abutment in top view, in an area of the passage through the soft tissue and in the area of the base is similar to the corresponding natural teeth, as follows:

Upper jaw no. 1: nearly same diameter m/d and b/p, round or square toward distal somewhat convex;

Upper jaw no. 2: as upper jaw no. 1, but somewhat more oval, in labio-palatinal direction;

Upper jaw no. 3: spheroidal oval with distal convexity;

Upper jaw no. 4: double oval / figure eight form;

Upper jaw no. 5: oblong oval;

Lower jaw no. 1 and 2: ditto, triangular with reduction toward palatinal;

Lower jaw no. 3: similar, somewhat more round;

Lower jaw no. 4 and 5: oblong oval, somewhat triangular course toward buccal;

Lower jaw no. 6 / 7 / 8 rectangular or square with more or less rounded edges.

28. (Previously Presented) The abutment as claimed in claim 1, wherein an outer form of the base is straight, convex, concave, parallel, diverging, converging to the soft tissue.

29. (Previously Presented) The abutment as claimed in claim 1, wherein an outer abutment surface in the area of the body corresponds to the typical curvature characteristics of teeth.

30. (Previously Presented) The abutment as claimed in claim 1, wherein the abutment is provided with an elastic or flexible anatomically individual or stylized composite layer or tooth-colored layer, enabling the provisional replacement of a crown that can be burdened immediately.

31. (Previously Presented) The abutment as claimed in claim 1, wherein there is a distance of 0.2 to 6 mm from a garland-shaped stage and a garland-shaped base bond surface to the implant.

32. (Previously Presented) The abutment as claimed in claim 1, wherein the cap is part of a cap set, which includes at least the following caps:

Tooth	Cap length	Mesio-distal diameter at	Labio-buccal-oral
Upper jaw			
Middle incisor	10.5 - 5.5	7.0 - 4.0	6.0 - 3.0
Side incisor	9.5 - 4.5	5 - 2.0	5.0 - 2.0
Canine	10.0 - 5.0	5.5 - 2.5	7.0 - 4
First premolar	8.5 - 3.5	5.0 - 2.0	8.0 - 4.0
Second premolar	8.5 - 3.5	5.0 - 2.0	8.0 - 4.0
First molar	7.5 - 2.5	8.0 - 5.0	10.0 - 6.0
Second molar	7.0 - 2.5	7.0 - 4.0	10.0 - 4.0
Third molar	6.5 - 2.5	6.5 - 2.5	9.5 - 4.0
Lower jaw			
Middle incisor	9.0 - 4.0	3.5 - 2.0	5.3 - 2.3
Side incisor	9.5 - 4.5	4.0 - 2.0	5.8 - 2.8
Canine	11.0 - 6.0	5.5 - 2.5	7.0 - 4.0
First premolar	8.0 - 3.5	5.0 - 2.0	6.5 - 3.5
Second premolar	8.5 - 3.0	5.0 - 2.0	7.5 - 4.0
First molar	7.0 - 2.5	9.0 - 6.0	9.0 - 5.0
Second molar	7.0 - 2.0	8.0 - 5.0	9.0 - 5.0
Third molar	7.0 - 2.5	7.5 - 4.5	9.0 - 5.0

33. (Currently Amended) A tooth implant with a root section or shaft that can be anchored in a jaw by being screwed in and with an abutment that can be fixed by an adhesive bond on a coronal area of the shaft, wherein the abutment is by claim 1.

34. (Withdrawn) A process for manufacturing a dental prosthesis using an abutment wherein an abutment corresponding to the form of the tooth to be reconstructed is selected from the abutment set and that this abutment is then prepared and provided with a further structure.

35. (Withdrawn) The process as claimed in claim 34, wherein a shell forming the outer surface of the crown is applied, to the abutment forming the base of a crown.

36. (Withdrawn) The process as claimed in claim 34, further comprising an additional, separately manufactured structure is fixed to the abutment after preparation.

37. (Withdrawn) The process as claimed in claim 34, wherein the abutment is manufactured individually corresponding to a tooth to be reconstructed.